Atlona HDMI to HDMI Scaler w/Audio

AT-HD560

User Manual

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Introduction

The Atlona HDMI to HDMI Scaler with Audio is a simple solution to resolution incompatibilities. The AT-HD560 is easy to use with an on-screen menu for scaling and image correction. Scaling is available from 640x480 up to 1920x1200 or 480i up to 1080p.

Package Contents

- 1 x AT-HD560
- 1 x 5V DC adaptor
- 1 x User manual

Features

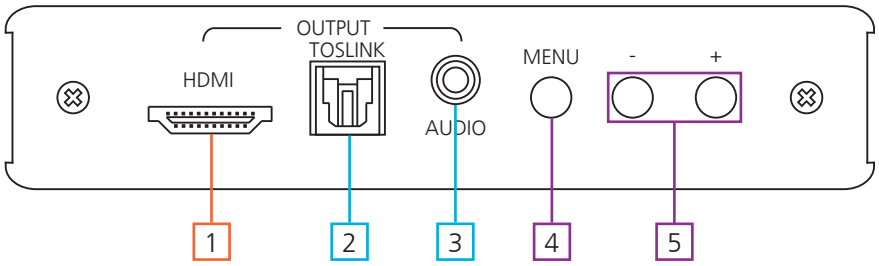
- Built-in scaler to ensure your display receives the correct resolution
- Converts 50Hz signals to 60Hz
- Contrast, brightness, hue, saturation, sharpness, RGB level, and scan size adjustment
- Embeds analog audio on HDMI output
- Analog and digital audio input and output
  (great when using a DVI to HDMI adaptor ex. AT14040)
- Built-in screen saver mode, when there is no input signal. Choose between a color bar and black screen
- HDCP compliant

Specifications

Bandwidth	4.95Gbps	
Ports Video input Video output Audio output	 1 x HDMI 1 x HDMI 1 x 3.5mm, 1 x TOSLINK	
Power Consumption	10.5W	
Audio	Passes up to Dolby Digital or DTS 5.1	
Resolution	Video: up to 1080p@60Hz VESA: up to 1920x1200	
Dimensions	0.98 x 4.02 x 5.71 (inch) 25 x 102 x 145 (mm)	
Weight	2.21 lbs 1 kg	
Temperature	**Operating** 32°F to 104°F 0°C to 40°C	**Storage** 4°F to 140°F 20°C to 60°C
Certifications	CE, FCC, RoHS, cULus for power supplies	

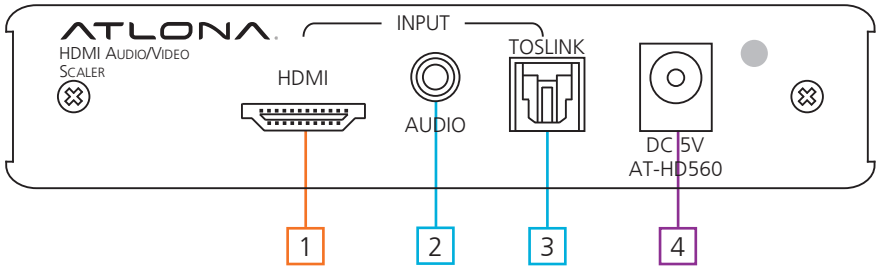
Panel Description

Front Panel



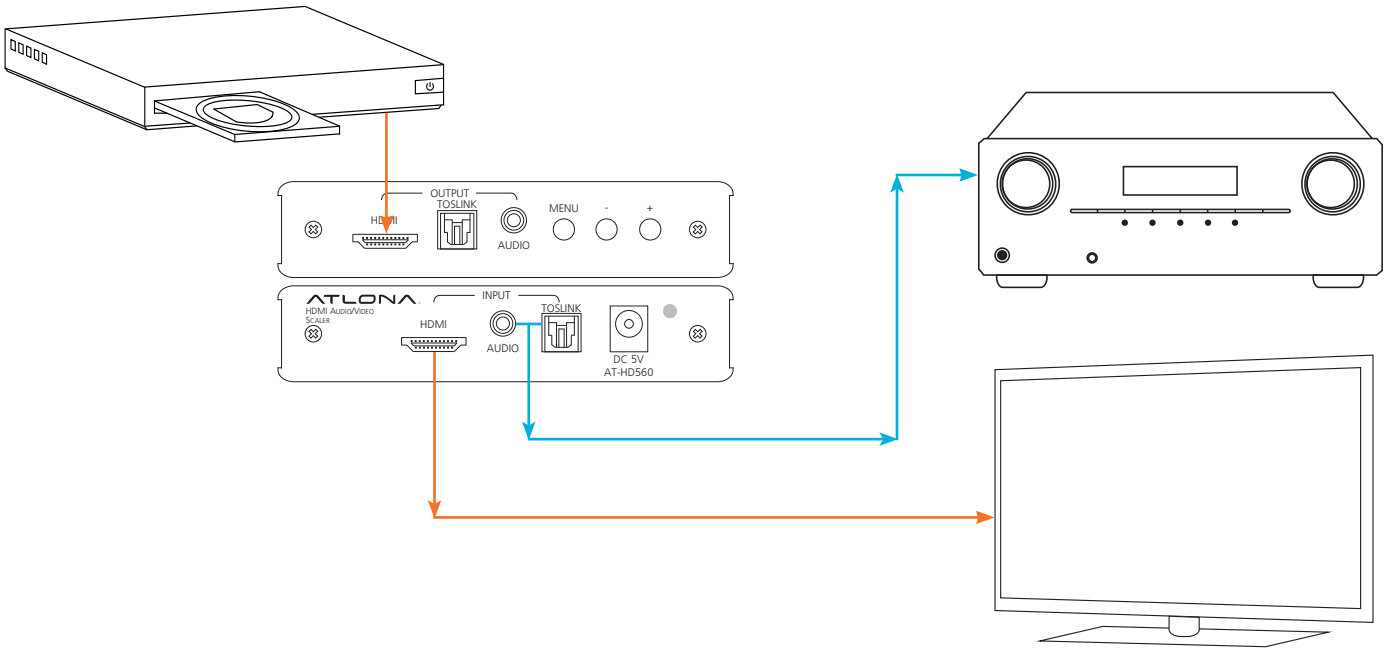
1. HDMI output port: Connect a display here.
2. Toslink output port: Connect digital audio (over fiber optic cable) to an audio receiver
3. 3.5mm audio output port: Connect analog audio to analog equipment
4. Menu button: Press to activate on-screen menu and to confirm selections
5. +/- buttons: Use to navigate the OSD menu

Back Panel



1. HDMI input port: Connect HDMI/DVI source
2. 3.5mm audio input port: Connect analog audio (ex. PC)
3. TOSLINK input port: Connect digital audio (ex. DVD player or STB)
4. 5V DC port: Connect included 5V DC power adapter

Connection and Installation



On Screen Display Menu

Menu Option	Sub-Menu Option	Adjustment
CONTRAST	-	Level 0 ~ 100
BRIGHTNESS	-	Level 0 ~ 100
FINETUNE	- HUE	Level 0 ~ 100
	- SATURATION	Level 0 ~ 100
	- SHARPNESS	Level 0 ~ 100
	- EXIT	Back to Menu
COLOR	- RED	Level 0 ~ 100
	- GREEN	Level 0 ~ 100
	- BLUE	Level 0 ~ 100
	- EXIT	Back to Menu
SIZE	-	FULL / OVERSCAN / UNDERSCAN / LETTERBOX / PANSCAN / FOLLOW INPUT
OUTPUT	-	NATIVE VGA (640x480) / SVGA (800x600) XGA (1024x768) / SXGA (1280x1024) UXGA (1600x1200) / 480i / 480p / 720p59 / 1080i59 / 1080p59 / 576i / 576p / 720p50 / 1080i50 / 1080p50 / WXGA (1280x800) WSXGA (1680x1050) / WUXGA (1920x1200) 1080p30 / WUXGA+ (1400x900) / SXGA+ (1400x1050) / NATIVE
AUDIO	- SOURCE	HDMI / TOSLINK / L/R
	- DELAY	4 / 11 / 15 (seconds)
	- SOUND	On / Mute
	- EXIT	Back to Menu
OSD	- HPOSITION	0 ~ 100
	- VPOSITION	0 ~ 100
	- TIMER	0 ~ 100 (sec.)
	- BACKGROUND	0 ~ 100 (transparency level)
	- COLOR BAR	**On:** Color bar will display when the source is disconnected **Off:** After the source is disconnected, a black screen will be active for 50 seconds before the output signal is shut off **Timeon 15min:** Once the source is discontinued, a color bar will be active for 15 minutes before the output signal is shut off
	- EXIT	Back to Menu
FACTORY RESET	-	YES NO
INFORMATION	-	SOURCE (Input Type) INPUT (Resolution) OUTPUT (Resolution) VERSION (Firmware #)
EXIT	-	Close the OSD Menu

Supported Resolutions

INPUT		25/30	50	56	60	70	72	75/85
VESA:	640x480				X		X	X
	800x600			X	X		X	X
	1024x768				X	X		X
	1280x1024				X			X
	1600x1200				X			
	1280x800				X			
	1680x1050				X			
	1920x1200				X			
VIDEO:	480i				X			
	480p				X			
	576i		X					
	576p		X					
	720p		X		X			
	1080i							
	1080p		X		X			
OUTPUT								
VESA:	640x480				X		X	X
	800x600			X	X		X	X
	1024x768				X	X		X
	1280x1024				X			X
	1600x1200				X			
	1280x800				X			
	1680x1050				X			
	1920x1200				X			
VIDEO:	480i				X			
	480p				X			
	576i		X					
	576p		X					
	720p		X		X			
	1080i		X		X			
	1080p		X		X			

Factory Reset

1. Press and hold the Menu button for 5 seconds
2. Disconnect the power plug of the AT-HD560 while still holding the menu button and wait 5 seconds.
3. While holding the menu button, plug the power cord back in. Hold the Menu button for an extra 5 seconds.
4. Release the menu button. It may take up to 10 seconds for the AT-HD560 to connect with the display.

Safety Information

Safeguards

To reduce the risk of electric shock, do not expose this product to rain or moisture

Do not modify the wall plug. Doing so will void the warranty and safety features.

If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.

This equipment should be installed near the socket outlet and the device should be easily accessible in the case it requires disconnection.

Precautions

FCC regulations state that any unauthorized changes or modifications to this equipment, not expressly approved by the manufacturer, could void the user's authority to operate this equipment.

Operate this product using only the included external power supply. Use of other power supplies could impair performance, damage the product, or cause fires.

In the event of an electrostatic discharge this device may automatically turn off. If this occurs, unplug the device and plug it back in.

Protect and route power cords so they will not be stepped on or pinched by anything placed on or against them. Be especially careful of plug-ins or cord exit points from this product.

Avoid excessive humidity, sudden temperature changes or temperature extremes.

Keep this product away from wet locations such as bathtubs, sinks, laundries, wet basements, fish tanks, and swimming pools.

Use only accessories recommended by Atlona to avoid fire, shock, or other hazards.

Unplug the product before cleaning. Use a damp cloth for cleaning and not cleaning fluid or aerosols. Such products could enter the unit and cause damage, fire, or electric shock. Some substances may also mar the finish of the product.

Never open, remove unit panels, or make any adjustments not described in this manual. Attempting to do so could expose you to dangerous electrical shock or other hazards. It may also cause damage to your AT-HD560. Opening the product will void the warranty.

Do not attempt to service the unit. Disconnect the product and contact your authorized Atlona reseller or contact Atlona directly.

Warranty

Limited Warranty

Atlona Technologies warrants that (a) its products (AT-HD560) will perform substantially in accordance with the accompanying written materials for a period of 3 years from the date of receipt and (b) that the product will be free from defects in materials and workmanship under normal use and service for a period of 3 years. In the event applicable law imposes any implied warranties, the implied warranty period is limited to 3 years from the date of receipt. Some jurisdictions do not allow such limitations on duration of an implied warranty, so the above limitation may not apply to customers that fall within those areas.

Customer Remedies

Atlona Technologies' and its suppliers' entire liability and Customer's exclusive remedy shall be, at Atlona Technologies' decision, either return of the price paid for the product, repair, or replacement of the product that does not meet this Limited Warranty and which is returned to Atlona Technologies with a copy of the Customer's receipt. This Limited Warranty is void if failure of the product has resulted from accident, abuse, misapplication, or natural occurrence. In example but not limited to: power surges (electrical storms, local power outage), dropping the product (or items on the product), contact with fluids, and physical misconduct (i.e. kicking or punching). Any replacement product will be warranted for the remainder of the original warranty period.

No other warranties

To the maximum extent permitted by applicable law, Atlona Technologies and its suppliers disclaim all other warranties, either expressed or implied, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose, with regard to the product and any related written materials. This Limited Warranty gives customer specific legal rights. Customers may have other rights depending on the jurisdiction.

No liability for damages

To the maximum extent permitted by applicable law, in no event shall Atlona Technologies or its suppliers be liable for any damages arising out of the use of or inability to use this product, even if Atlona Technologies has been advised of the possibility of such damages. Such damages include but are not limited to: special, incidental, consequential, or indirect damages for personal injury, loss of business profits, business interruption, loss of business information, or any other pecuniary loss. Atlona Technologies' and its suppliers' entire liability under any provision of this agreement shall be limited to the amount actually paid by you for the product. Some Jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damage. The above limitations may not apply to you in such jurisdictional cases.

Atlona Product Registration

Thank you for purchasing this Atlona product. - We hope you enjoy it and will take an extra few moments to register your new purchase.

Registration creates an ownership record if your product is lost or stolen and helps ensure you'll receive notification of performance issues and firmware updates.

At Atlona, we respect and protect your privacy, assuring you that your registration information is completely secure. Atlona product registration is completely voluntary and failure to register will not diminish your limited warranty rights.

To register go to: http://www.atlona.com/registration